## In the Claims:

Please enter the following amended claim set:

(Original) A method of treating water comprising the steps of:
 exposing water desired to be treated to ozone in sufficient quantity to reduce
a concentration of undesired microorganisms therein; and

flowing the water over a colony of attached algae to remove undesired matter therefrom.

- 2. (Original) The method recited in Claim 1, wherein the water-exposing step comprises the steps of injecting ozone into at least one of a mixing chamber and a body of water, pumping the water to be treated into the mixing chamber, and mixing the water to be treated with the injected ozone.
- 3. (Original) The method recited in Claim 1, further comprising the step, prior to the water-exposing step, of generating ozone by at least one of exposing air to ultraviolet radiation and creating a corona discharge.
- **4.** (Original) The method recited in Claim 1, further comprising the step of exposing the water to be treated to at least one of ultraviolet radiation and acoustic energy.
- **5.** (Original) The method recited in Claim 1, wherein the water-exposing step comprises pumping the water into a bottom end of a tube, injecting ozone adjacent the bottom end of the tube, and permitting the water and the ozone to mix while rising toward a top end of the tube.

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- **6.** (Original) The method recited in Claim 1, further comprising the step of treating the water with ozone following the water-flowing step.
- **7.** (Original) The method recited in Claim 1, further comprising the step of passing the water through an activated carbon filter following the water-flowing step.
- **8.** (Previously presented) A method of treating water comprising the steps of:

exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein;

flowing the water over a colony of attached algae to remove undesired matter therefrom; and

adding a pesticide to the algal colony for controlling insects, the pesticide selected from a group consisting of an insecticide, a pyrethroid, or a natural pyrethrum.

- **9.** (Original) The method recited in Claim 8, further comprising the step of adding a pesticide to the algal colony for controlling insects, the pesticide comprising bacillus therengensus isralioans.
- **10.** (Original) The method recited in Claim 9, further comprising the step of culturing bacillus therengensus isralioans, and wherein the pesticide-adding step comprises delivering a substantially continuous supply of bacillus therengensus isralioans to an inlet of the algal colony.
  - 11. (Original) The method recited in Claim 1, further comprising the steps of:

extracting the water to be treated from a body of water prior to the exposing step; and returning the treated water the to body of water following the water-flowing step.

- 12. (Original) The method recited in Claim 1, wherein the ozone-exposing step comprises covering a body of water and injecting ozone into the body of water.
- **13.** (Original) The method recited in Claim 1, wherein the ozone-exposing step comprises:

pumping water out of a body of water into a supply pipe; injecting ozone into the supply pipe; and directing the water to an inlet end of the algal colony.

**14.** (Previously presented) A method of treating water comprising the steps of:

pumping water out of a body of water into a supply pipe;

injecting ozone at a plurality of injection locations along the supply pipe, the ozone present in sufficient quantity to reduce a concentration of undesired microorganisms therein:

directing the water to an inlet end of a colony of attached algae; and flowing the water over the algal colony to remove undesired matter therefrom.

**15.** (Original) The method recited in Claim 1, further comprising the step, following the water-flowing step, of repeating the ozone-exposing step and the water-flowing step by recirculating the water emerging from the algal colony.

**16.** (Currently amended) A method of treating water comprising the steps of:

exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein;

flowing the water over a colony of attached algae to remove undesired matter therefrom; and

harvesting the algal colony, adding a pesticide to the harvested algae, exposing the mixed algae and pesticide to sunlight for achieving detoxification, and using the detoxified mixed algae and pesticide to form a base for another algal colony.

- 17. (Original) The method recited in Claim 16, wherein the pesticide comprises one or more pesticides selected from a group consisting of natural pyrethrum, natural pepper, garlic, elder, and lemon sage.
- **18.** (Previously presented) A method of treating water comprising the steps of:

exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein;

flowing the water over a colony of algae attached to a base, to remove undesired matter therefrom; and

harvesting the algal colony, adding a pesticide to the colony base, and detoxifying the base.

**19.** (Original) The method recited in Claim 18, wherein the pesticide is selected from a group consisting of a synthetic pyrethroid and a natural pyrethrum.

## **20.** (Original) A system for treating water comprising:

means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom:

a colony of attached algae for removing undesired matter from the ozoneexposed water; and

means for directing the ozone-exposed water from the water-exposing means to the algal colony.

- 21. (Original) The system recited in Claim 20, wherein the water-exposing means comprises a mixing chamber, means for injecting ozone into the mixing chamber, a pump for pumping the water to be treated into the mixing chamber, and a mixer for mixing the water to be treated with the injected ozone.
- **22.** (Original) The system recited in Claim 20, further comprising means for generating ozone comprising at least one of means for exposing air to ultraviolet radiation and means for creating a corona discharge.
- **23.** (Original) The system recited in Claim 20, further comprising means for exposing the water to be treated to at least one of ultraviolet radiation and acoustic energy.
- 24. (Original) The system recited in Claim 20, further comprising: a tube having a bottom end and a top end; a pump for pumping the water into the tube bottom end and upward toward the top end;

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means for injecting ozone adjacent the tube bottom end of the tube, for permitting the water and the ozone to mix while being pumped toward a top end of the tube.

- **25.** (Original) The system recited in Claim 20, further comprising means for treating the water with ozone downstream of the algal colony.
- **26.** (Original) The system recited in Claim 20, further comprising the step of passing the water through an activated carbon filter following the water-flowing step.
- 27. (Previously presented) A system for treating water comprising: means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom;

a colony of attached algae for removing undesired matter from the ozoneexposed water;

means for directing the ozone-exposed water from the water-exposing means to the algal colony; and

means for adding a pesticide to the algal colony for controlling insects, the pesticide selected from a group consisting of an insecticide, a pyrethroid, a natural pyrethrum, and bacillus therengensus isralioans.

## 28. (Canceled)

**29.** (Currently amended) The system recited in Claim 27, wherein the pesticide comprises *bacillus therengensus isralioans*, further comprising means of culturing

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the *bacillus therengensus isralioans*, and wherein the pesticide-adding means comprises means for delivering a substantially continuous supply of *bacillus therengensus isralioans* to an inlet of the algal colony.

- 30. (Original) The system recited in Claim 20, further comprising: means for extracting the water to be treated from a body of water; and means for returning the treated water the to body of water downstream of the algal colony.
- **31.** (Original) The system recited in Claim 20, wherein the ozone-exposing means comprises a cover over a body of water and means for injecting ozone into the body of water.
- **32.** (Original) The system recited in Claim 20, wherein the ozone-exposing means comprises:
  - a supply pipe having an inlet end and an outlet end;
- a pump positioned to extract water out of a body of water into the supply pipe inlet end and to pump the extracted water to an inlet end of the algal colony; and means for injecting ozone into the supply pipe.
- **33.** (Original) The system recited in Claim 20, further comprising means for redirecting water from an outlet end of the algal colony to the ozone-exposing means for recirculating the water emerging from the algal colony.
  - **34.** (Previously presented) A system for treating water comprising:

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means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom:

a colony of attached algae for removing undesired matter from the ozoneexposed water;

means for directing the ozone-exposed water from the water-exposing means to the algal colony;

means for harvesting the algal colony following exposure to water to be treated; and

means for adding a pesticide to the harvested algae.

- **35.** (Original) The system recited in Claim 34, wherein the pesticide comprises one or more pesticides selected from a group consisting of natural pyrethrum, natural pepper, garlic, elder, and lemon sage.
- 36. (Previously presented) A system for treating water comprising: means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom;

a colony of attached algae for removing undesired matter from the ozoneexposed water;

a base to which the algal colony is attached;

means for directing the ozone-exposed water from the water-exposing means to the algal colony;

means for harvesting the algal colony; means for adding a pesticide to the colony base; and

means for detoxifying the base.

- **37.** (Original) The system recited in Claim 36, wherein the pesticide is selected from a group consisting of a synthetic pyrethroid and a natural pyrethrum.
- 38. (New) A method of treating water comprising the steps of: exposing water desired to be treated to ozone in sufficient quantity to oxidize nutrients therein to a form amenable to bioassimilation by a colony of attached algae; and flowing the water over a floway comprising attached algae to remove the oxidized nutrients therefrom, the algae experiencing an enhanced photosynthetic activity upon bioassimilation of the oxidized nutrients.
- **39.** (New) The method recited in Claim 38, wherein the nutrients comprise tannic and humic compounds.
  - **40.** (New) A system for treating water comprising:

means for exposing water desired to be treated to ozone in sufficient quantity to oxidize nutrients therein to a form amenable to bioassimilation by a colony of attached algae;

a floway comprising attached algae for removing the oxidized nutrients from the ozone-exposed water, the algae experiencing enhanced photosynthetic activity upon bioassimilation of the oxidized nutrients; and

means for directing the ozone-exposed water from the water-exposing means to the floway.

**41.** (New) The system recited in Claim 40, wherein the nutrients comprise tannic and humic compounds.